Index of Claims

| Appl | licat | ion/ | Contr | ol No |
|------|-------|------|-------|-------|
|------|-------|------|-------|-------|

10/614,293

Examiner

Michael H. Caley

Applicant(s)/Patent under Reexamination

MOON, JONG-WEON

Art Unit

2871

✓ Rejected= Allowed

(Through numeral)
Cancelled

Restricted

N Non-Elected

I Interference

A Appeal
O Objected

|  |  | ш                |  |  |  |          | ı            |              |  | <u> </u>        |
|--|--|------------------|--|--|--|----------|--------------|--------------|--|-----------------|
| Cla  | nim                                    | Date             |  |  |  |          |              |              |  |                 |
| Final  | Original                               | 5/24/07          |  |  |  |          |              |              |  |                 |
|  | 1                                      | =                | ┝  | ⊢  | -  |          |              | ├            | ├  |                 |
|  | -                                      | =                |  | <del>                                     </del> | ┢  | _        | <del> </del> | -            | ┝  | -               |
|  | 3                                      | =                |  |  | -  |          | ┢            | $\vdash$     | $\vdash$   | Н               |
|  | 4                                      | Ξ                |  | $\vdash$   | $\vdash$   | $\vdash$ | _            |              | <u> </u>   |                 |
|  | 5                                      | =                | $\vdash$   | $\vdash$   |  |          | _            |              | $\vdash$   | П               |
|  | 1<br>2<br>3<br>4<br>5                  | Ξ                |  |  |  | $\vdash$ |              |              |  |                 |
|  | 7                                      | =                |  |  |  |          |              |              |  |                 |
|  | 8                                      | Ξ                |  |  |  |          |              |              |  |                 |
|  | 9                                      | 트                |  |  |  | _        |              |              |  |                 |
|  | 10                                     | =                | <u> </u>   | L  |  |          | Ь.           |              | L  | Ш               |
|  | 11                                     | =                | L_   | <u> </u>   | _  | _        | <u> </u>     |              | ļ  | Ш               |
|  | 11<br>12<br>13<br>14<br>15<br>16<br>17 | ⊢                | <u> </u>   | $\vdash$   | <del> </del>                                     | <u> </u> | $\vdash$     | <u> </u>     | <u> </u>   | Н               |
|  | 14                                     | <del> </del>     | <del> </del>                                     | <del> </del>                                     | $\vdash$   | -        | $\vdash$     | $\vdash$     | ⊢  | $\vdash$        |
| $\vdash$   | 15                                     | ├-               | <u> </u>   | $\vdash$   | <del>                                     </del> |          | -            | ⊢            | $\vdash$   | $\vdash$        |
| <del></del>                                      | 16                                     | $\vdash$         |  | ┢┈   | ├  | -        | ┝            | ├            | <del> </del>                                     | Н               |
| $\vdash$   | 17                                     | ┢                | $\vdash$   | -  | $\vdash$   | _        | ┝            | $\vdash$     | ┢  |                 |
|  | 18                                     | <u> </u>         |  | _  | $\vdash$   | _        | $\vdash$     | ┢            | $\vdash$   | Н               |
|  | 19                                     | _                | <del>                                     </del> | $\vdash$   | $\vdash$   |          | -            |              | <del>                                     </del> | Н               |
|  | 19<br>20<br>21                         |                  |  | $\vdash$   | $\vdash$   |          |              |              | _  | П               |
|  | 21                                     |                  |  |  |  |          |              |              |  | П               |
|  | 22                                     |                  |  |  |  |          |              |              |  |                 |
|  | 22<br>23                               |                  |  |  |  |          |              |              |  |                 |
|  | 24                                     |                  | ļ  | <u></u>  | _  |          |              |              | L  | Щ               |
|  | 25                                     |                  | _  | <u> </u>   |  | L        |              | <u>_</u>     |  |                 |
|  | 26                                     | <u> </u>         | _  | ļ  |  | <u> </u> |              |              |  | Ш               |
|  | 25<br>26<br>27<br>28<br>29             | <u> </u>         |  | ├—   | $\vdash$   |          |              | ├            |  | $\vdash \vdash$ |
| <u> </u>   | 20                                     | ⊢                | _  |  | -  | <u> </u> |              | _            |  |                 |
|  | 30                                     | -                | _  | ┝  | _  | -        |              | ┝            |  | $\vdash$        |
|  | 30<br>31                               |                  |  | ┝  | _  | -        | -            | -            |  | Н               |
|  | 32                                     | $\vdash$         | _  |  | _  | $\vdash$ | $\vdash$     | <del> </del> |  | Н               |
|  | 33                                     | $\vdash$         |  | <del>                                     </del> | $\vdash$   | $\vdash$ | -            | <del> </del> |  | Н               |
|  | 34                                     |                  |  |  |  |          |              |              |  | $\vdash$        |
|  | 35                                     |                  |  |  |  |          |              |              |  |                 |
|  | 36<br>37                               | 匚                |  |  |  |          |              |              |  |                 |
|  | 37                                     | $ldsymbol{oxed}$ |  | L  | $oxed{oxed}$                                     |          |              |              |  |                 |
|  | 38                                     | <u> </u>         | L_   | <u> </u>   | <u> </u>   | <u> </u> |              | L.           | L  | Ш               |
| <u> </u>   | 39                                     | <u> </u>         |  | <u> </u>   | <u> </u>   |          | _            | <u> </u>     |  | Ш               |
| <del>                                     </del> | 40<br>41                               | <u> —</u>        | <u> </u>   | <u> </u>   | $\vdash$   | -        | <u> </u>     | <u> </u>     | <u> </u>   | Н               |
| <u> </u>   | 41                                     | $\vdash$         | $\vdash$   | <del> </del>                                     | <del> </del>                                     | $\vdash$ | _            | <del> </del> |  | Н               |
|  | 43                                     | $\vdash$         | <u> </u>   | <del> </del>                                     | <u> </u>   | $\vdash$ | $\vdash$     | $\vdash$     |  | H               |
|  | 44                                     | -                | _  | $\vdash$   | $\vdash$   | -        | _            | -            | -  | $\vdash$        |
|  | 45                                     | _                | _  | $\vdash$   | -  | -        |              |              |  | $\vdash$        |
|  | 46                                     |                  | $\vdash$   |  |  |          | _            | Н            | Т  | $\vdash$        |
|  | 47                                     |                  |  |  |  |          |              |              |  | H               |
|  | 48                                     |                  |  |  |  |          |              |              |  |                 |
|  | 49                                     |                  |  |  |  |          |              |              |  |                 |
|  | 50                                     |                  |  |  |  |          |              |              |  |                 |

| Cia      | .!                                     | T              |          |              |          | <b>-</b>     |          |  |          |  |
|----------|--|----------------|----------|--------------|----------|--------------|----------|--|----------|--|
| Cla      |  | 1              | r        |              | Date     | <del>e</del> | _        |  |          |  |
| Final    | Original                               |                |          |              |          |              |          | -  | ·        |  |
|          | 51                                     |                |          |              |          |              |          |  |          |  |
|          | 51<br>52<br>53                         |                |          |              |          |              |          |  |          |  |
|          | 53                                     |                |          |              |          |              |          |  |          |  |
|          | 54<br>55<br>56                         |                | <u></u>  |              |          |              |          |  |          |  |
|          | 55                                     | _              |          |              | _        |              |          |  |          |  |
|          | 56                                     | _              |          |              | _        |              |          | L  |          |  |
| <u> </u> | 57                                     | L              |          |              |          |              |          | <u> </u>   |          |  |
|          | 58                                     | <u> </u>       |          | L            | _        | ļ            |          | _  |          |  |
| <u> </u> | 59                                     | _              | <u> </u> | <u> </u>     | <u> </u> | <u> </u>     |          | _  | ļ        |  |
|          | 60<br>61                               | <del> </del>   |          | <u> </u>     | <u> </u> | <u> </u>     |          | <u> </u>   |          |  |
|          | 61                                     | <del>  -</del> | <u> </u> | _            |          | <u> </u>     |          | <u> </u>   | <u> </u> | _  |
|          | 62                                     | -              |          |              | <b> </b> | <u> </u>     |          | _  | -        | -  |
|          | 63                                     | <del> </del>   | _        |              | ┝        | <u> </u>     | -        | ⊢  | _        |  |
|          | 64<br>65                               | $\vdash$       | ┢        |              | -        | -            |          | ⊢  |          |  |
|          | 66                                     | $\vdash$       | ⊢        |              | -        | ⊢            |          | ┢  |          | H  |
|          | 66<br>67                               |                | ⊢        |              | $\vdash$ | -            | -        | ┢  |          |  |
| _        | 68                                     | $\vdash$       | $\vdash$ | -            | ┢        | $\vdash$     | $\vdash$ | ┢  | -        | ⊢  |
|          | 69                                     | 1              | -        | ┢            | ┢        | -            |          | $\vdash$   |          | <del>                                     </del> |
|          | 70                                     |                | $\vdash$ | $\vdash$     | _        | $\vdash$     |          | <del>                                     </del> | _        | $\vdash$   |
|          | 69<br>70<br>71                         | _              | $\vdash$ |              |          | $\vdash$     |          | -  | _        |  |
|          | 72                                     | Н              |          | _            | $\vdash$ | $\vdash$     |          |  |          |  |
|          | 72<br>73<br>74<br>75<br>76<br>77<br>78 |                |          |              |          | _            |          |  |          |  |
|          | 74                                     |                |          |              |          | <u> </u>     | _        | $\vdash$   | _        |  |
|          | 75                                     |                |          |              |          |              |          |  | $\vdash$ |  |
|          | 76                                     |                |          |              |          |              |          |  |          |  |
|          | 77                                     |                |          |              |          |              |          |  |          |  |
|          | 78                                     |                |          |              |          |              |          |  |          |  |
|          | 79                                     |                |          |              |          |              |          |  |          |  |
|          | 80                                     |                |          |              |          |              |          |  | L        |  |
| <u></u>  | 81                                     |                |          |              |          |              |          |  |          |  |
| $\perp$  | 82                                     | _              |          |              |          |              |          |  | <u> </u> |  |
|          | 83<br>84                               |                |          | _            |          |              | _        | L  |          |  |
|          | 84                                     | <u> </u>       |          | _            |          |              |          | _  | _        |  |
| <u></u>  | 85                                     | <u> </u>       |          | _            | <u> </u> | _            | _        |  |          | <u> </u>   |
| -        | 86<br>87                               | -              |          | _            | <u> </u> | _            | <u> </u> | _  | _        | <u> </u>   |
|          | 97                                     | ⊢              | <u> </u> | <del> </del> | <u> </u> |              | <u> </u> | <u> </u>   | <u> </u> | <u> </u>   |
| -        | 88<br>89                               | ┝              | _        |              | $\vdash$ | $\vdash$     | <u> </u> | <u> </u>   | <u> </u> | <u> </u>   |
| -        | 90                                     | _              | ┝        | <del> </del> |          | _            | -        | -  | _        |  |
| -        | 91                                     |                | Н        | $\vdash$     | -        | <del> </del> |          | <u> </u>   | _        | ⊢  |
| $\vdash$ | 92                                     | $\vdash$       |          | -            | $\vdash$ |              | _        |  | ┝        | -  |
|          | 93                                     | $\vdash$       | $\vdash$ |              | $\vdash$ |              | $\vdash$ | $\vdash$   | $\vdash$ |  |
|          | 94                                     | $\vdash$       |          | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$   | $\vdash$ | -  |
| <b>—</b> | 95                                     | $\vdash$       |          | $\vdash$     | -        |              |          | $\vdash$   | $\vdash$ | $\vdash$   |
|          | 96                                     |                |          | $\vdash$     | $\vdash$ |              | -        | <b>-</b>   | H        | $\vdash$   |
|          | 97                                     |                |          | $\vdash$     |          | Т            | $\vdash$ |  |          |  |
|          | 98                                     |                |          | Г            |          | _            |          | П  |          |  |
|          | 99                                     |                |          |              |          |              |          |  |          |  |
|          | 100                                    |                |          |              |          |              |          |  |          |  |

| Claim       |   | Date     |              |  |              |          |              |          |              |                        |
|-------------|---|----------|--------------|--|--------------|----------|--------------|----------|--------------|------------------------|
|             |   |          |              |  |              |          |              |          |              |                        |
| <u>a</u>    | Original  |          | l            |  |              | ļ        |              |          |              |                        |
| Final       | rig   |          |              |  |              | 1        |              |          |              |                        |
|             | 0   |          |              | ĺ  | ĺ            |          | l            |          |              | 1 1                    |
|             | 101   | _        | _            | $\vdash$   | $\vdash$     | _        |              |          |              | Н                      |
|             | 102   | _        |              | $\vdash$   |              |          |              |          | $\vdash$     | Н                      |
|             | 103   | _        | $\vdash$     | _  |              |          |              | $\vdash$ |              | Н                      |
|             | 101<br>102<br>103<br>104<br>105<br>106<br>107<br>108<br>109                             |          | $\vdash$     |  |              |          |              | H        |              |                        |
|             | 105   | _        | $\vdash$     | _  |              |          |              | $\vdash$ |              | Н                      |
|             | 106   | _        | <del> </del> | <del>                                     </del> |              | $\vdash$ |              | $\vdash$ |              | Н                      |
|             | 107   |          |              | <u> </u>   |              | $\vdash$ |              | $\vdash$ |              | H                      |
|             | 108   |          |              | $\vdash$   |              | $\vdash$ |              | $\vdash$ |              | Н                      |
|             | 109   | _        | -            | $\vdash$   |              | -        | <del></del>  | $\vdash$ |              | H                      |
|             | 110   | -        | $\vdash$     | _  |              | $\vdash$ |              | $\vdash$ |              | Н                      |
|             | 111   | -        |              |  |              | $\vdash$ |              | $\vdash$ |              | $\vdash$               |
| $\vdash$    | 111<br>112<br>113   |          | -            | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash$               |
| <del></del> | 112   |          | $\vdash$     | $\vdash$   | $\vdash$     |          | ├            | ├        | _            | $\vdash$               |
| <b>—</b>    | 114   |          | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$ | -            | $\vdash$ |              | $\vdash$               |
|             | 114<br>115  | -        | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$ | <del> </del> | $\vdash$ | <del> </del> | $\vdash$               |
|             | 116   |          | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$     |                        |
|             | 116<br>117  |          | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$ | <u> </u>     | $\vdash$ | $\vdash$     | $\vdash$               |
|             | 110   | $\vdash$ | $\vdash$     |  | $\vdash$     | ┢        | ├─           | $\vdash$ | $\vdash$     | $\vdash \vdash$        |
|             | 118<br>119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130 | _        | -            | <del> </del>                                     | <del> </del> |          | -            | ┝        | ┢            | Н                      |
|             | 120   |          | -            |  |              | _        | _            | ┢        | -            | H                      |
|             | 120   | _        | <del> </del> |  | _            |          | _            | ┝        |              | Н                      |
|             | 121   |          |              | <del> </del>                                     | _            |          | _            | _        | _            | Н                      |
|             | 122   |          | $\vdash$     | <u> </u>   | $\vdash$     | $\vdash$ | -            |          |              |                        |
|             | 123   |          | H            | <u> </u>   | $\vdash$     | H        |              | ⊢        | _            |                        |
|             | 124   |          |              | _  |              | Н        | <u> </u>     | L        |              | H                      |
| $\vdash$    | 125   |          |              |  |              |          |              |          |              | H                      |
|             | 120   |          |              | _  | _            |          | _            |          |              | Н                      |
|             | 127   | _        |              |  |              |          |              |          |              | $\vdash$               |
|             | 120   |          |              | _  |              |          | $\vdash$     |          |              | $\vdash$               |
|             | 129   |          |              | _  | _            |          | _            |          |              | $\dashv$               |
|             | 130   | _        |              | _  |              |          | H            |          | <u> </u>     | Н                      |
|             | 131   |          | _            | _  |              | $\vdash$ |              |          |              | Н                      |
|             | 132   |          | _            | _  |              | -        |              |          |              | $\vdash$               |
|             | 133   |          |              |  |              | $\vdash$ |              |          |              |                        |
|             | 134   |          | $\vdash$     |  | H            | H        | <u> </u>     | <u> </u> | -            | $\vdash\vdash$         |
|             | 131<br>132<br>133<br>134<br>135<br>136<br>137   |          | H            | -  |              | $\vdash$ |              | $\vdash$ | $\vdash$     | Н                      |
|             | 130   | =        | -            |  | H            | $\vdash$ | $\vdash$     |          | $\vdash$     | Н                      |
|             | 138   | -        |              | <del></del>                                      |              | $\vdash$ | $\vdash$     |          | $\vdash$     | Н                      |
|             | 130   |          | H            | H  | $\vdash$     | $\vdash$ | $\vdash$     |          | $\vdash$     | <del>  </del>          |
| <b> </b>    | 139<br>140  |          | H            | ļ  | <del> </del> |          | $\vdash$     | $\vdash$ | $\vdash$     | Н                      |
|             | 141   |          | H            | <del> </del>                                     | <del> </del> | $\vdash$ | ├—           | $\vdash$ | $\vdash$     | Н                      |
|             | 142   |          | -            |  | -            | -        | $\vdash$     |          | $\vdash$     | Н                      |
|             | 143   |          |              | -  | <del> </del> | H        | $\vdash$     | H        | $\vdash$     | Н                      |
|             | 144   |          |              | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$     | H        | H            | Н                      |
|             | 145   |          | $\vdash$     |  | -            |          | <u> </u>     |          |              | $\vdash\vdash$         |
|             |   |          |              |  | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash \vdash \vdash$ |
|             | 146   |          | _            |  | $\vdash$     | $\vdash$ |              |          |              | $\dashv$               |
|             | 147<br>148  |          |              |  |              |          | $\vdash$     | _        | -            |                        |
|             | 148   |          | <u> </u>     |  |              |          |              |          | $\vdash$     | $\vdash$               |
|             | 150   | $\vdash$ |              |  | <u> </u>     | _        | $\vdash$     |          | $\vdash$     | $\vdash\vdash$         |
|             | 130   |          | Щ            |  |              |          |              |          |              |                        |